

# Noise studies [2024-01-15 Mon]

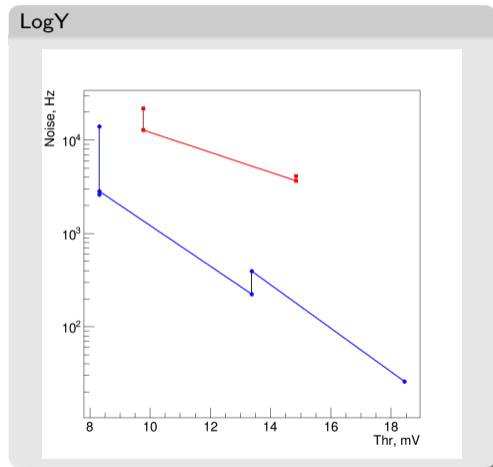
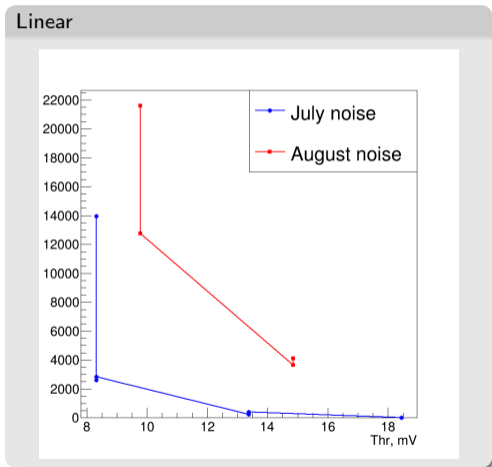
Straw TB team

January 15, 2024

## Information

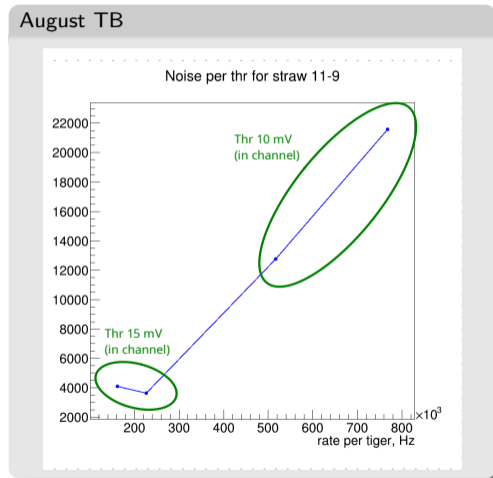
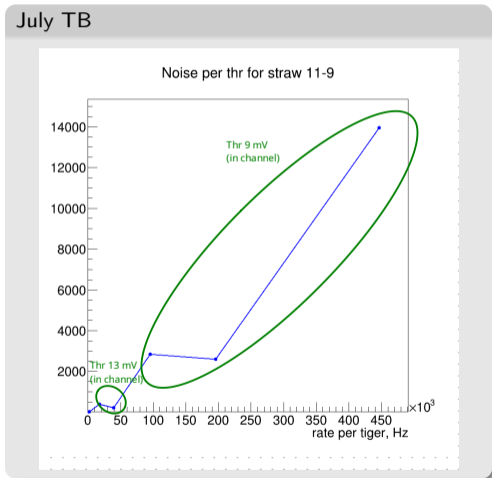
- Used straw: only 10mm, straw#9
- Noise calculated as rate between spills

# Tiger noise per threshold



Do we know expected noise spectra to estimate it's level?

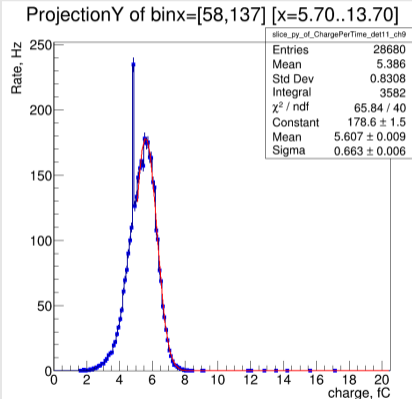
## Dependency between noise and per-tiger rate



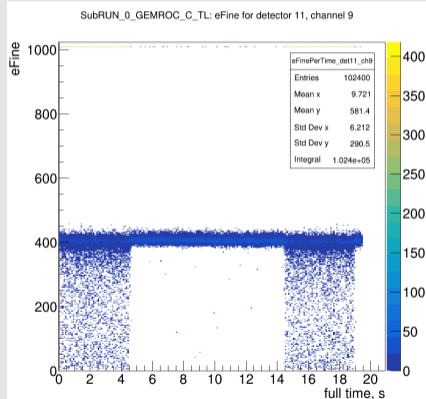
Noise rate on tiger channel depends on full tiger rate

# Tiger noise charge

Charge, August TB

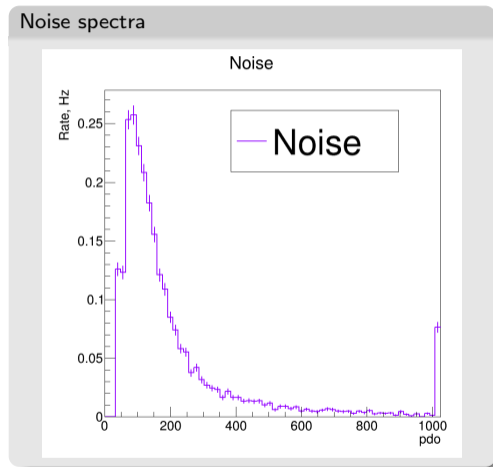
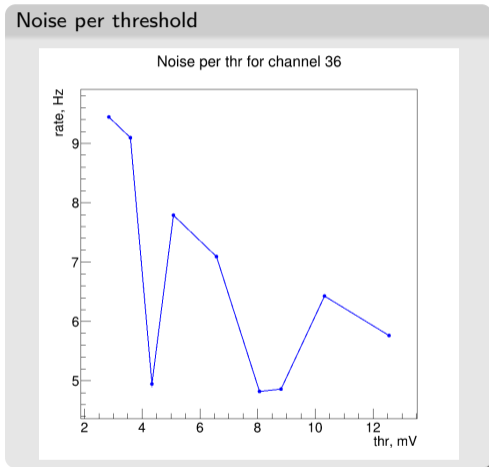


eFine, August TB



Noise around 70 mV ?

## VMM noise per threshold, August TB



- We cannot do anything without proper charge calibrations
- I would not believe our voltage estimation on the left plot either
- There is the run without HV on that straw, but I haven't managed to check noise pdo yet